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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,144	12/21/2000	Wayne E. Cornish	01035.0025-00	2421
72207 7590 10/30/2007 ABBOTT CARDIOVASCULAR SYSTEMS INC./ FINNEGAN HENDERSON L.L.P.			EXAMINER	
			FOREMAN, JONATHAN M	
901 NEW YORK AVENUE , N.W. WASHINGTON, DC 20001			ART UNIT	PAPER NUMBER
	,		3736	
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	,	•	MAIL DATE	DELIVERY MODE
			10/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	Application No.	Applicant(s)				
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Office Action Summary	09/746,144	CORNISH ET AL.				
omee Action Gammary	Examiner	Art Unit				
The MAILING DATE of this communication app	Jonathan ML Foreman	3736				
Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 28 Se	<u>eptember 2007</u> .	•				
,	·——					
·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims	•					
4) Claim(s) 7 and 20-26 is/are pending in the appleau Aa) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 7 and 20-26 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine	vn from consideration. r election requirement.					
10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the ledge of the	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119		•				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte				

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/28/07 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claim 7 and 20 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,325,766 to Anderson et al. in view of US Patent No.5,722,981 to Stevens.

In regard to claims 7 and 20 - 26, Anderson et al. disclose an elongated medical device having a superelastic member (12) having a first set of properties and an adjacent second section (14) having a second set of properties. The second section includes a distal end that is at least about 3 cm in length. Anderson et al. discloses using any pseudo- or super-elastic alloys or shape memory nickel-titanium alloys (Col. 2, lines 38 - 43) for the second section, but fails to disclose the alloy including an easily diffusible element consisting of oxygen or hydrogen. However, Stevens teaches a nickel-titanium alloy having a reduced superelasticity which includes oxygen or hydrogen (Col. 3, lines 41 - 47). The claims would have been obvious because the substitution of one known element

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for another would have yielded predictable results to one of ordinary skill in the art at the time of the invention. Because both Anderson et al. and Stevens teach the use of known superelastic nickel-titanium alloys, it would have been obvious to one skilled in the art at the time of the invention to substitute one alloy for the other to achieve the predictable results of allowing the medical device to have a pre-formed shape, be stressed into another shape, and then return to its pre-formed shape.

4. Claims 7, 10 and 22 - 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamauchi et al. (159) in view of U.S. Patent No. 6,428,317 to Abel.

In regard to claims 7, 10 and 22 – 26, Yamauchi et al. (*159) discloses a superelastic member having a first section (2a) with a first set of properties and an adjacent second section (2) having a second set of properties which have been altered from the first set of properties by treating the second section with an easily diffusible element (Page 5, lines 1 – 3), wherein the superelastic member comprises a nickel-titanium alloy (See Abstract). The altered properties comprise reduced superelasticity. The second section comprises a distal end having a length at least about 3 cm.

However, Yamauchi et al. fail to disclose the easily diffusible element being selected from the group consisting of oxygen, hydrogen and nitrogen. However, Abel teaches that heat treatments and /or the addition of trace elements such as oxygen (O) and nitrogen (N) to nickel-titanium alloys can have very significant effects on desired superelastic properties and performance of the material (Col. 3, line 65 – Col. 4, line 14). The claims would have been obvious because the technique for improving a particular class of devices was part of the ordinary capabilities of a person of ordinary skill in the art, in view of the teaching of the technique for improvements in other situations. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the member as disclosed by Yamauchi et al. to include an easily diffusible element from the group

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consisting of oxygen, hydrogen and nitrogen as taught by Abel in order to allow a portion the core to exhibit enhanced elastic properties.

Response to Arguments

5. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jonathan ML Foreman whose telephone number is (571)272-4724. The examiner can normally be reached on Monday - Friday 8:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on (571)272-4726. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMLF

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